

FOLIO

3 MAY 1991

Teaching/research debate tackled at Senate

TWO FUNCTIONS ARE INSEPARABLE, SAY ACADEMICS

Teaching and research are inseparable, some of this University's leading teacher/researchers told Senators at their meeting 26 April.

Bringing the debate taking place across the country and the continent on the issue of the relationship between research and teaching to the Council Chamber, several academics presented Senators with their views of the inseparability of the two functions.

John Bertie (Chemistry) said there's no doubt that the two tasks sometimes can and sometimes do conflict. "But all of us live with potential conflicts and we simply have to find ways of resolving those conflicts."

The question has to be asked whether universities are giving sufficient attention to teaching? he said. And what is the relative importance of teaching and research? "I believe they are equally important. In some Faculties, research has dominated—and we have to correct that—but we also have to be careful not to overcorrect."

The University has to maintain or recover—depending on one's point of view—its reputation for providing good undergraduate education, he said. And the University has to be more flexible in recognizing and rewarding research and teaching in a variety of ways.

The presenters challenged the recent Alberta Education submission to the Association of Universities and Colleges Commission of Inquiry on Canadian University Education. In that brief, government officials said, "Many arguments have been developed by universities to justify the higher priority accorded to research."

"These typically are based on premises such as: research leads to new knowledge, which in turn feeds the instructional function; faculty are primarily research-oriented and their needs as individuals must be met if they are to be recruited/retained; research is an integral part of scholarship and students should have an opportunity to learn about

this dimension by working with faculty who are actively engaged in research; and the results of research are more easily quantified than is the effectiveness of teaching; research therefore provides a more objective basis for promotion and/or salary adjustments.

"Indeed, many would assert that it is the research role that distinguishes universities from other types of postsecondary institutions, and that a solid research capacity is the hallmark of an outstanding university."

"We have trouble with such arguments," Advanced Education officials wrote, "particularly since there is little evidence to support these assertions—indeed, we are aware of studies in other jurisdictions which suggest that a relatively large proportion of faculty members disagrees with the 'publish or perish' model, and would like to legitimately devote greater attention to the teaching function."

Vice-President (Research) Bob James characterized the Advanced Education brief as incomplete and skewed in its listing of arguments research universities present in support of the positive relationship between teaching and research.

"Advanced Education's submission tends to put the two functions (teaching and research) in conflict, especially when it comes to the allocation of limited financial resources," Dr James told Senators.

Sarah Danial, a student representative on Senate, said the University has to address the problem of

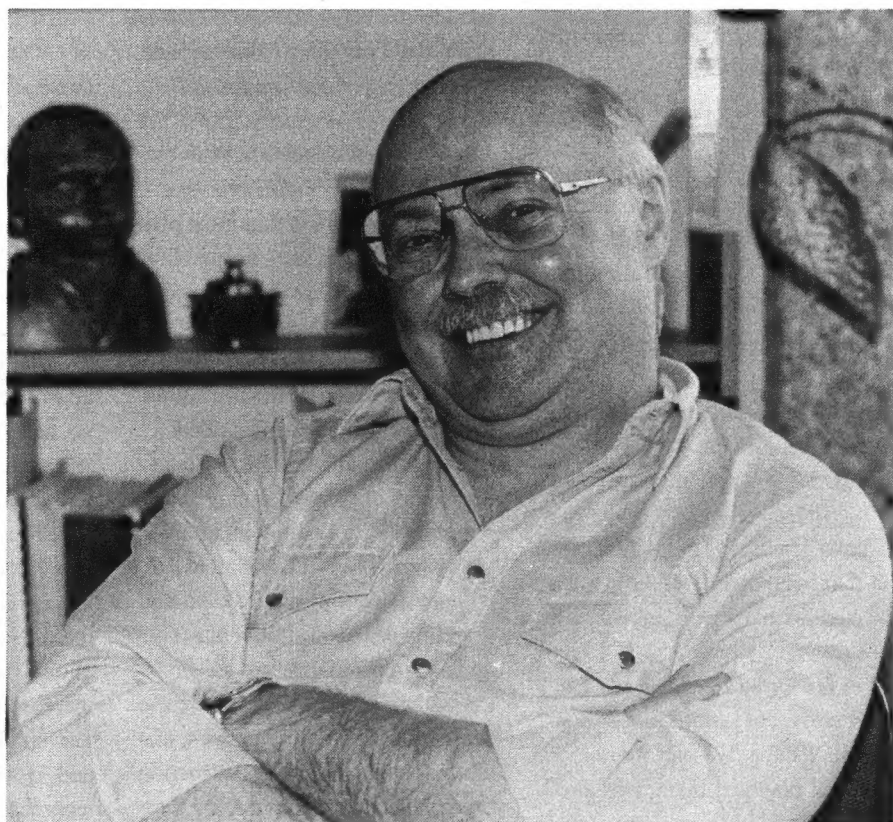
professors who are good in one area but not in another. There should be mandatory courses, perhaps given by the Committee for Improvement of Teaching and Learning, for professors who have teaching problems, she said. Regarding the evaluation process, Danial said some departments hear the same complaints about teaching every year and nothing changes. Moreover, she said, students sometimes fear they'll be penalized for making comments on teaching.

Senate member Peter Caffaro stressed the need for feedback. Most students feel they are in such a large institution, and some fear retribution, real or imagined, for criticizing teaching. "I can't see how you can improve teaching without some feedback from students."

Chancellor Sandy Mactaggart said the University is blessed with some of the country's best teachers and researchers. "I'd like to know how we can bring up some of the bad teachers?"

Associate Vice-President (Research) Bob Busch responded. More needs to be done to encourage the activities of CITL, and the University needs to ensure that faculty who come to the U of A after doctoral studies receive real instruction on teaching.

Also arguing for the importance of the interaction between teaching and research were Professors Patricia Demers (English), Fred Van de Pitte (Philosophy) and Ronald Coutts (Pharmacy).



Brian Harris (Music) is one of four recipients of the 1991 Rutherford Award for Excellence in Undergraduate Teaching. See stories pages 4 and 5.

INSIDE

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- Government's tuition fee policy riles opposition
- Protein Engineering Network of Centres of Excellence in full swing

Chancellor donates facsimile of *The Book of Kells*

Copy 550 of a limited edition of 1,480 facsimile reproductions of *The Book of Kells* is in good hands.

The copy was specially made for the University of Alberta, and presented by Chancellor Sandy Mactaggart in honour of Literacy Year 1990.

"A Swiss company [Fine Art Facsimile Publishers] which is recognized as the finest publisher of facsimile reproductions, has created a limited edition, accurate to the last wormhole, of this unique example of a lost art," Chancellor Mactaggart said in presenting the volume to Ernie Ingles, Director of Libraries, 26 April. "The facsimile is in two parts—a perfect copy of the original, and a companion volume of translation and commentary," the Chancellor pointed out.

The Book of Kells is regarded as one of the greatest illuminated manuscripts of the Middle Ages. The Latin text contains the four Gospels of the

New Testament as written and painted by an unknown group of Irish monks around the eighth century. "*The Book of Kells* was born in mystery and when you study its pages you will agree it remains mysterious even today," Bruce Peel Special Collections Librarian John Charles said in his introduction to the work.

The name of the book is derived from the Abbey of Kells, about 60 km northwest of Dublin, where it was housed from at least the ninth century to 1541. *The Book of Kells* has resided at Dublin's Trinity College for three centuries.

In Chancellor Mactaggart's donation, the Library has a book that's the exact size of the original. Even the unevenness of some pages and worm holes have been faithfully duplicated. A combination of sophisticated techniques were used, including colour transparencies that were analyzed electronically and corrected by hand.

"Because the original manuscript is too valuable and fragile to be handled by even illustrious scholars, this facsimile is a boon to students of medieval art and the history of books," Charles said.

He quoted this excerpt from an essay by the Italian semiotician, Umberto Eco, which appears in the accompanying volume of commentary: "This mysterious work fascinates us because it remains the model of the book envisioned by every avant-gardist, the model of a book still to be written. It allows us to feel like men and women of our own times, even as we navigate across the same perilous sea that bore St. Brendan in the 6th century, in search of that Lost Island about which *The Book of Kells* sings on every page, while inviting and inspiring us to continue our own quest."



Above: Chancellor Sandy Mactaggart (centre) presents a facsimile of *The Book of Kells* to Director of Libraries Ernie Ingles (right) and Bruce Peel Special Collections Librarian John Charles. The Chancellor called the original "the greatest treasure of those who understand its significance to a civilization that has few written relics."



Right: Portrait of St. Matthew

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University of Alberta

Henry Kreisel, 1922 - 1991

Henry Kreisel, author, Professor Emeritus of Comparative Literature, former "enemy alien", and Officer of the Order of Canada, died in Edmonton on 22 April at age 68. Diagnosed with pancreatic cancer in March, Professor Kreisel had been in hospital since 9 April.

An inspiring lecturer who taught generations of students to love and talk about literature, and who contributed enormously to making Canadian literature worth talking about, Dr Kreisel is best known for his two novels, *The Rich Man* (1948), recently adapted as a highly successful play, and *The Betrayal* (1961). "I have tried to bridge the two worlds—the European world and the Canadian world. It is a natural thing for me to do—it reflects my experience," he explained in an interview a decade ago.

Henry Kreisel was born in Vienna in 1922. When Hitler's troops marched into Austria in 1938, he escaped to England. But in 1940 he was interned as an "enemy alien" along with many other German and Austrian refugees of Jewish descent, and was transported to Canada to a prisoner-of-war camp near Fredericton, New Brunswick. Later, Dr Kreisel described this experience as like being in "a market place of ideas. I have never since encountered it again in so concentrated a form."

It was during his imprisonment that he decided not only to become a writer, but to write in English rather than his native German. In 1942, released from internment and allowed to remain in Canada, he enrolled in English at the University of Toronto, receiving bachelor's and master's degrees from that university and his PhD from the University of London.

Joining the University of Alberta in 1947, his distinguished career here included service as Head of the English Department from 1961-67 and Vice-President (Academic) from 1970-75. He was named University Professor in 1975.

In 1981 Dr Kreisel published *The Almost Meeting*, a collection of short stories, and in 1985 his internment diary and other autobiographical writings were combined with critical essays on his work in *Another Country: Writings By and About Henry Kreisel*.

Dr Kreisel was appointed an Officer of the Order of Canada in 1988 and in 1990 he received an Immigrant Achievement Award for his contributions to Canadian society. In November 1990 a five-part drama, *Enemy Alien*, based on Dr Kreisel's journal of his internment, was aired on CBC Radio's "Morningside."

Dr Kreisel is survived by his wife, Esther; one son, Philip Simon, a daughter-in-law, Mary Jane, and two grandsons, Henry James and Philip Curtis Charles, all of Edmonton.



Henry Kreisel instilled a love of literature in generations of students.

Government's tuition policy attacked by opposition

The provincial government's recent tuition fee policy changes have been attacked by members of the two opposition parties in the legislature.

Noting the new tuition policy provisions allowing for variable tuition fees for individual programs, Liberal advanced education critic Yolande Gagnon said, "It's exactly this uneven system that's going to hurt students, because they won't be able to plan ahead."

"Another problem," said Gagnon, "is that there's no ceiling announced on various programs such as medicine and law. Does this mean that only the wealthy will be able to access these programs?" she asked.

Advanced Education Minister John Gogo said, "I don't believe there's any question that most people think those in professional programs—such as law, medicine and dentistry—should perhaps pay a little more in tuition fees." And it's the responsibility of the institutions to determine the fees, he added.

Gagnon said the most distressing aspect of the new policy is the variability of fees allowed under the provisions. "For instance, fees for college transfer programs could be the same as fees for university undergrad programs, yet we all know that colleges do not have the same resources as universities, nor do they have PhD-level instruction." Students could end up paying the same fees, but not get the same benefits, she contended.

New Democratic Party advanced education critic Pam Barrett predicted that tuition fees would double over the next couple of years.

She said that the recent residence rate increases at the University would affect working people and their children and their ability to go to university. "Working people don't have a lot of money and a lot of them are afraid about going into debt to get a university education." She contended that some students are leaving school after earning their first degrees with \$31,000 debt loads.

"Our indications are that for those achieving a degree—that is, for university graduates—the debt load is not \$31,000 but \$10,000," the Minister responded. Fees are still the second lowest in the country, said Gogo, and the government still endorses a policy of controlling those fees.

The Board of Governors recently approved rental increases of between six and 20 percent for University of Alberta residences. Garneau rates will go up by six percent, while residences at the Faculté Saint-Jean will experience the largest increases—20 percent. The provincial government's long-awaited tuition policy allows maximum annual average increases for 1991-92 of \$200 for universities and schools of nursing and \$100 for public colleges and technical institutes.

LETTERS

'THE CAUSE IS JUST - EDUCATION'

The *Folio* article of 19 April 1991 giving comments by our Board of Governors Chair, Stan Milner, raises important challenges - and some questions. I was disappointed in the brevity of the article and have concerns over some statements. The statements are basically true enough; what bothers me is the absence of some other truths that surely go along. I will refer to three statements with my rhetorical questions.

1. "One has to wonder if the University is doing such a good job, why has there been such a terrific growth in enrollment in the other institutions in the province?" I find this statement perplexing. Our enrollment has been increasing and we cannot accommodate all the students that want to come here. In part, we have had to raise our academic entrance requirements and impose quotas in certain Faculties in order to maintain quality education. Did this backfire? Has this given us the inferred *un*terrific growth? Are we on a treadmill?

2. He points out that salaries account for such a large portion of the total University budget that unreasonably huge wage settlements will only make the situation worse. I wish the *Folio* interviewer had sought clarification on when these huge wage settlements were to come about. Apart from that, it is true that if government grants do not keep up with salaries then the salary proportion of the budget will automatically increase unless there are unwanted layoffs. Is the Board of Governors asking government for funds to meet existing needs or making our needs fit the funds?

3. Regarding "reluctance to continually write blank cheques" - I did not realize this was being done and yes, education is costly - didn't someone once question the flip side of the coin, the cost of ignorance. Did the interviewer pursue this? One hopes that universities can have healthy support, just as some parts of the private sector received support in troubled times.

I am sure that the Board of Governors will be an active voice for the entire University (no wards, please!). If all of us, from the Minister of Advanced Education to the student and caretaker, actively speak out and work for education how can we lose? The cause is just - education.

Joseph S Nelson

Professor of Zoology

POLITICAL DIFFERENCES NULLIFY CONGRATULATORY MESSAGE

On 18 April, I proposed a motion asking that the Legislative Assembly congratulate Dr David Schindler, Killam Memorial Professor of Ecology at the University of Alberta, on being awarded the Stockholm Water Prize in recognition of his outstanding contribution in the field of water conservation. The Liberal Caucus felt it appropriate that the Assembly should give recognition to this eminent environmental scientist because his achievement is truly remarkable and because Alberta is so fortunate to have an academic of his stature resident at one of our universities.

It is necessary for a motion of this kind to receive the unanimous consent of the legislature in order for it to be debated and ultimately passed. Despite the fact the government members of the legislature have supported motions congratulating everyone from Kurt Browning to the Edmonton Oilers, some members of the government caucus refused the necessary unanimous consent in this case.

This was an occasion when political differences should not have counted. In turning down this motion, government members missed an important opportunity to show respect for learned scholarship and recognition of the contribution that an academic of Dr Schindler's stature makes to the quality and international standing of Alberta's academic institutions.

I would like to offer Dr Schindler my warmest congratulations. I greatly admire the nature of his academic achievement and am grateful that he chose to bring his outstanding talents to Alberta.

Grant Mitchell, MLA

Liberal Environment Critic

SENATE MEMBERSHIP TO CHANGE

The Senate will undergo membership changes 30 June and 1 July.

The following Senators will retire 30 June: Carol Blair, Beth Bryant, Peter Caffaro, Sarah Danial, Duncan Fishwick, Shirley Graham, Peter Greschuk, Sean Kennedy, John McDonald, Marilou Neufeld, Shirley Neuman, Barbara Olsen, Geneva Purcell, Kayla Shocter, David Tupper and Bill Yurko.

Thirty-one nominations were received by Senate's Nominating Committee. The new Senators, whose three-year terms begin 1 July, are: Doris Badir, Sadruddin Boga (Fort McMurray), John Hanlon, Patrick Harden, Brian Heidecker (Coronation), Audra Hollingshead, Sheldon Maerov and Eric McCuaig.

Brock Armstrong, Phyllis Ellis, Louise Miller, Mary Pemberton and Wally Ross have been reelected to a second term.

President Paul Davenport will host a dinner to honour retiring Senators, 22 November.

The fall meeting of Senate is traditionally an out-of-town meeting. On 13 September, Senate will meet at Fort McMurray. Briefs will be received in the evening to accommodate residents who don't have flexible schedules.

What happens to the debt in the event of separation?

PAUL BOOTHE AND COUNTERPART AT SFU STUDYING ISSUE

It has been taboo to discuss the issue of what will happen to the federal debt in the event Quebecers decide to separate or opt for some kind of sovereignty association. Nevertheless, University of Alberta Economics Professor Paul Boothe and his Simon Fraser University counterpart Richard Harris are studying the issue.

"It's very difficult to know how this will all unfold," says Dr Boothe, "but as academics we have to try to do the research, so that however it does unfold we will have at least done some of the homework. That's one of a university's roles: asking unpopular questions from time to time and attempting to answer them."

QUEBEC'S PROVINCIAL DEBT IS IN THE NEIGHBOURHOOD OF \$50 BILLION AND ITS PER CAPITA SHARE OF THE FEDERAL DEBT IS ABOUT \$100 BILLION.

Governments have been loath to touch the issue, fearing that such a discussion about how the federal debt may be divided, among other contentious issues, would exacerbate the situation, inflame tensions and encourage the possible breakup of Canada.

Drs Harris and Boothe are studying the question of how the debt could possibly be divided up in a number of different alternative ways. They also want to compare the relative strengths and weaknesses of these alternatives.

The federal debt is about \$374 billion, with an average age of maturity of about four and one-half years. About \$295 billion is direct debt—things like bonds, bills and money supply. That doesn't include things like pensions to public servants and net liabilities of government enterprises.

About 21 percent of that direct debt is owned by nonresidents, 64 percent is owned by the Canadian

public, banks own about 6 percent and the federal government and Bank of Canada own about 8 percent.

Dividing this debt becomes a nonissue in the event Canada remains intact. However, if Quebec chooses independence and the rest of Canada stays together, that would constitute one scenario for dividing the debt. "If Quebec chooses independence, and the rest of Canada doesn't choose to stay together, that would have another set of implications for dividing the debt," says Dr Boothe.

Drs Harris and Boothe have attempted to find precedents, but it hasn't been fruitful. "We really weren't able to find examples where there's much discussion about countries coming apart. One example that I have been looking at recently is the breakup of AT&T in the United States. That has some parallels." The company—which had a substantial debt—was divided into eight separate companies. "So we're looking at how the judge decided to divide up the company's debt."

Another issue is how the market would react. "Would the market be willing to absorb the volume of debt required for a small jurisdiction to roll over its debt? For example, Quebec's provincial debt is in the neighbourhood of \$50 billion and its per capita share of the federal debt is about \$100 billion. What they would have to do in fairly short order is convince the market to change from holding \$50 billion of Quebec debt to triple that amount," he explains. "The market investors might be unwilling to do that unless they were given significantly higher interest rates. And because the debt is so short-term, Quebec would presumably have to roll over at least \$50 billion in the first five years."

Another issue the researchers are addressing is whether an independent Quebec and the rest of Canada would share a common currency. "People in Quebec and Ontario seem to believe that an independent Quebec and the rest of Canada would share a common currency, but to me it's much less clear whether that would be in the interest of western Canada."

However, in the opinion of the authors of the Bélanger-Campeau Commission on Quebec's political and constitutional future, "... the extent of trade and the number of contracts and financial obligations between economic agents in Quebec and those in the rest of Canada is such that keeping the Canadian dollar as the currency of a sovereign Quebec would be the best solution for both parties."

The commissioners predict that if, after achieving sovereignty, Quebecers continued to assume the same propor-

IT'S POSSIBLE THAT ONE OR MORE REGIONS COULD REPUDIATE ITS DEBT—TO SAY THEY WON'T PAY IT.

tion of the debt and interest charges, their level of debt would remain unchanged.

The best-case scenario, according to Dr Boothe? A new deal for federalism that would adequately address Quebec and western Canadian concerns, obviating the need for discussions on such things as dividing the federal debt. The worst-case scenario? It's possible that one or more regions could repudiate its debt—to say they won't pay it. "I think people should realize that that is not inconceivable. If negotiations go badly, regions may find there's not much to choose between accepting a deal that has negative consequences for them and defaulting, becoming a closed economy for a number of years."

While many academics have focused their research in these areas on the longer-term consequences and viability of political reconfigurations, the Harris-Boothe work is of a more short-term nature. "Our paper looks specifically at the short run," says Dr Boothe. "Is it possible to get there [to the long run] from here? Is it possible to make the transition?" asks Dr Boothe, noting that a loose group of western Canadian academics have recently gotten together to discuss these issues.

"I think we'll be able to give some fairly precise ideas about the implications of different alternatives," Dr Boothe said. "But what we won't be able to do is to say which alternative we might be finding ourselves facing. And that doesn't bother me, because it's only with knowledge of the costs and benefits of the different alternatives that people can decide which ones they want to be facing."

The researchers are hopeful they'll be making an important contribution to the debate. "I don't think it's the economists' role to say we should do this or that. Our role is to help people make informed decisions."

Teachers must love teaching, Morcos says

Gamila Morcos believes that good teaching is finding a way to make the subject matter actual, important and alive for students. And says the recipient of the 1991 Rutherford Award for Excellence in Undergraduate Teaching, teachers must love teaching and know their disciplines well.

The Faculté Saint-Jean professor says that every two or three years or so professors should take courses and become students again. That experience gives them the opportunity to evaluate other teachers and to examine their own teaching styles. "We may not be aware of our own teaching weaknesses while we're teaching, but they become obvious when we see others teaching."

Professors must be totally honest with their students," says Dr Morcos, who taught at Laurentian University and Ain-Chams University, Cairo, before arriving at the U of A in 1980. "I tell them 'this is what I can teach you, so let's try to work together.' I base my teaching on mutual respect and trust, and if I don't know the answers to their questions, I say so."

Student Eve Marie Forcier writes, "Studying literature with Dr Morcos is like taking a voyage with a knowledgeable guide you can trust entirely, who will make strange surroundings familiar ones. She not only covers extensively the areas she is teaching but she also has a knack for going outside the limits of what is strictly literature to provide a fuller, more global vision of the great currents which characterize an epoch."

Dr Morcos says she encourages her students to come up with their own interpretations of texts and to apply their respective majors to the texts. She points out that extraordinary discussions can take place in smaller groups at the Faculté.

She wants her students to adopt a way of writing and thinking with

discipline. The benefits may not always be immediate, she says, but later on in their lives they'll be able to apply those skills in a variety of ways and situations.

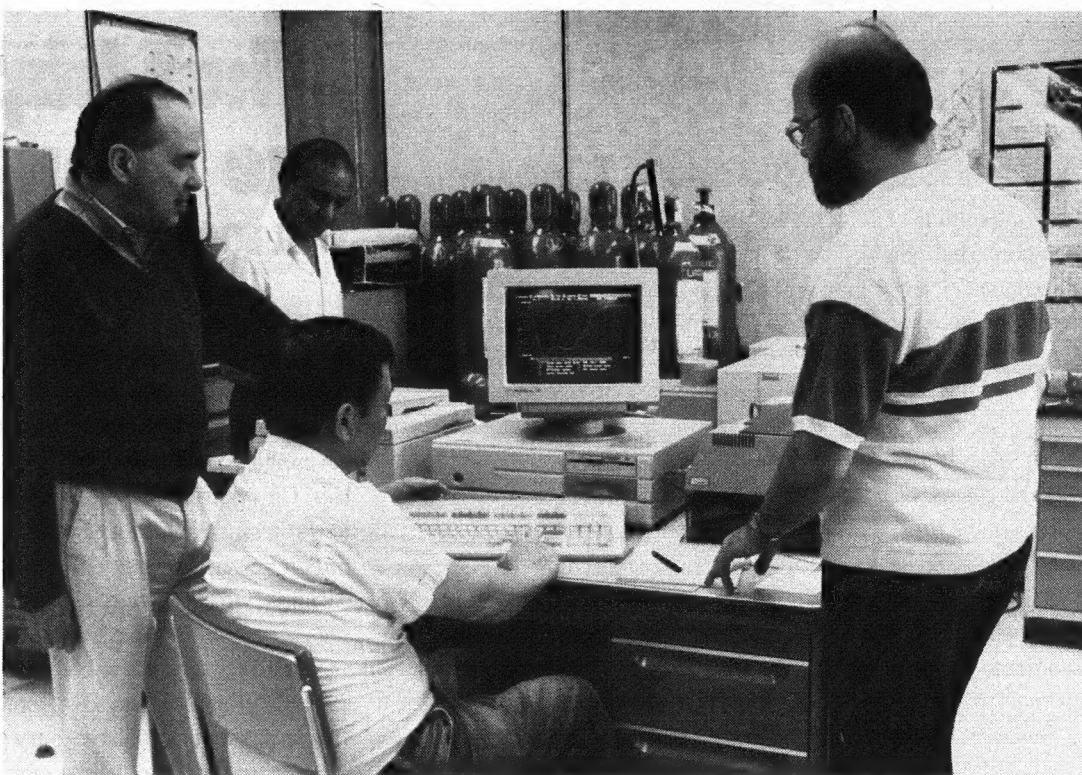
Professors must also employ different methods in different situations, she says. Teaching night classes cannot be accomplished in the same way morning classes are taught, nor can the same methods be employed to both large and small classes. And changing teaching approaches for courses previously taught is also a must. Doing so allows professors to approach the subject matter in a fresh manner.

Dean Jean-Antoine Bour says Dr Morcos "brings curiosity and excitement into the classroom: no one can remain indifferent to her teaching." She meets, discusses and guides individual students on a regular basis. "Although keen to provide individual attention and sensitive to students, she is demanding and expects the best of them."

Dr Morcos points out that she always gives her students an early assignment so they can determine how they're doing. And she advises students she considers at risk of failing the course to consider their options before the date for withdrawing from courses.

On the relationship between teaching and research, Dr Morcos, who has written extensively on bilingualism and the teaching of French, says "my research stems from my teaching." Teaching, however, is extremely time-consuming, so her summers are devoted largely to research.

Dr Morcos is a believer in self-evaluation, although she says it can be hard on one's ego. Nevertheless, she says there's always room for improvement. She adds that she'll accept the teaching award with great modesty, and attempt to continue to better her teaching.



Dr Kay (standing, left) and members of his laboratory, RS Mani, Kimio Oikawa and Bob Luty, observe the generation of a circular dichroism spectrum on a Jasco 720 spectropolarimeter.

Protein engineering stresses teamwork

ALBERTA NODE PART OF FAR-REACHING NETWORK

Research is under way at the Alberta node of the Protein Engineering Network of Centres of Excellence (PENCE). The Alberta team includes research groups headed by Cyril Kay, Bob Hodges, and Brian Sykes, all of the Department of Biochemistry, as well as a local firm, Synthetic Peptides Inc. The PENCE network also involves the University of British Columbia and the University of Toronto, along with a variety of institutes and biotechnology companies across Canada.

PENCE research focuses on various aspects of protein engineering (i.e., tailoring and/or creating proteins to perform certain tasks). The Alberta researchers will be focusing on the study of growth factors and their receptors, and working on the design of protein fragments for use as pharmaceuticals. They also are involved, through their fundamental protein structure studies, in designing novel proteins with desired binding properties. They also will serve as a resource for other projects involved in the network.

For example, the U of A team's expertise in basic protein structure and function can enhance the development of vaccines or other pharmaceuticals, perhaps making them more effective or less expensive to manufacture. Their work also will contribute to medical applications for such areas as arthritis or the HIV virus, and to commercial applications in the pulp and paper industry.

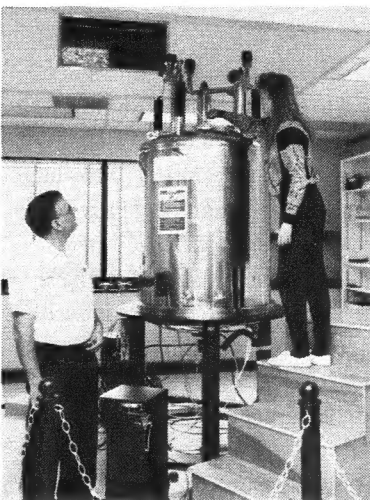
Such interactive benefit is a major purpose of the networks. Dr Kay points out the synergistic effect of networking, saying, "Presumably the results will be greater than the sum of the individual parts, since we will be integrating the selective strengths of the various network partners."

The Alberta researchers have moved quickly since PENCE was approved last fall. New

postdoctoral fellows and technicians have been hired and have begun their research, and graduate students have been recruited.

A total of \$2.1 million worth of equipment has been purchased, including a 600 MHz NMR spectrometer, a CD spectropolarimeter, and a mass spectrometer, as well as other equipment for amino acid analysis and peptide synthesis. Dr Sykes says, "It would be impossible now to find anyplace in the country that's better equipped for protein study."

PENCE is funded with a four-year grant of approximately \$20 million from the Medical Research Council of Canada and the Natural Sciences and Engineering Research



Dr Sykes watches technician

Linda Golden insert sample in Varian 600 MHz NMR magnet.

Council. Alberta Technology, Research and Telecommunications recently approved additional funding to help with renovating laboratory space and overhead costs for the Alberta node.

PENCE will be officially opened at the U of A campus with a 29 May symposium at the Walter C Mackenzie Health Sciences Centre.

CURRENTS

PROFESSIONAL DEVELOPMENT FOR APOs - INFORMATION SESSION

Topic: Devonian Botanic Garden. *Date:* 14 May. *Time:* 10:30 am to noon. *Location:* CW410 Biological Sciences Building (Conference Lounge). *Presenter:* Patrick Seymour, Director, Devonian Botanic Garden. *Cost:* Free, but advance registration is required by 8 May. *To register:* telephone Gail Bamber at 492-2796. While this session is directed at APOs, other interested staff are welcome.

CANADIAN METEOROLOGICAL AND OCEANOGRAPHIC SOCIETY

On behalf of CMOS, Mohammed El-Sabh, Chair, Département d'océanographie, Université à Rimouski, will speak on "International Decade for Natural Disasters Reduction (IDNDR): A Challenge for Canadian Meteorologists and Oceanographers." Dr El-Sabh's lecture will take place 14 May at 7:30 pm in 2-117 Henry Marshall Tory Building. All interested persons welcome.

ONLINE SEARCHING IN THE HUMANITIES AND SOCIAL SCIENCES

What: Introduction to do-it-yourself searching of key data-bases in the humanities and social sciences. In the lecture both the theory and mechanics of formulating and executing a search of computerized indexes and abstracts will be discussed. The lab session puts these skills into practice on databases and topics of your choice. *Who:* Faculty members or other staff who are directly involved in teaching or research. *When and where:* Lecture: 15 May, 10 am to noon, 1st floor classroom, Cameron Library. Labs: 15 May, one hour between 1 and 4 pm, or 16 May, 11 am to noon. (Lecture attendance prerequisite to lab.) *To register:* Contact Jean Hamblin, Rutherford North Library, 492-3794, to sign up for the lecture. Sign-up for the lab at the lecture. There is no charge for the lecture or for first time lab attendees.



Gamila Morcos: a teacher who believes in mutual respect.

Anne Lambert: Teaching always comes first

Since she joined the University of Alberta 20 years ago, teaching has always been a priority for Anne Lambert (Clothing and Textiles). "Fortunately, I've been in a department that very much encourages that," she comments. Her goal in teaching is that students learn how to learn and share her enthusiasm for the learning process. She emphasizes the respect she has for her students and her desire to challenge them. She promotes self-initiated learning.

The focus of her program is the Collection. Before Professor Lambert came to the University, the Clothing and Textiles Collection did not exist. "There were a few things around that people had been teaching with for many years," but not an organized collection, she says. Since 1971, she has built up a teaching and research collection of international stature that contains about

Teaching as a performance RUTHERFORD AWARD WINNER MASTERS THE STYLE

There was a moment in 1969 when Brian Harris stepped out on a limb as only a 24-year-old neophyte lecturer can. As if the four full course equivalents on music history weren't daunting enough, the undertaking "was all new, there was no material for me to inherit," he says of his start as a teacher. If Professor Harris, a harpsichordist and pianist, did wonder if perhaps performing might have been the better choice, it was only for a millisecond. He wanted to teach, he loved his subject and he had confidence that stemmed in part from his having been awarded the first MMus degree granted by the University of Alberta.

Trial and error marked his first few months in class as he sought to develop a style that was right for him. As it turned out, the style is that of teaching as a performance. "I play to an audience when I teach," he said recently in reflecting on a teaching career that has been capped this year with the Arts Undergraduate Teaching Award and the Rutherford Award for Excellence in Undergraduate Teaching.

In discussing "the only teaching job I've ever had," Professor Harris says, "I generally expect students to respond with the kind of energy and inquiry that I would expect an audience to display at a [music] performance. If they're having a good time they will learn," he says matter-of-factly.

A world traveller who collects posters, pictures, books and bric-a-brac as he goes, Professor Harris is noted for bringing these materials to class and using them to cut down the distance between students and the world of medieval, renaissance and baroque music.

There's a certain flexibility in each of his classes, with the chief example being medieval and renaissance music. "There are so many creative things you can do with this kind of music. There are no familiar paths ... it's not like a class on the music of Mozart where students believe they know all there is to know," he says.

"If I have a hidden agenda, it's to agitate and stimulate students in a positive sense. I ask a lot of questions and expect a lot of answers."

There may be a tendency to think that only students registered in the Department of Music take music courses. During his career, Professor Harris has taught service courses for students from nearly all Faculties on campus and he delights in recalling the aptitude of Rehabilitation Medicine students and the insights contained in an engineering student's paper on the violin makers of Cremona.

Lectures on music history/musicology, harmony, counterpoint, score reading, Baroque Orchestral Music, and German Romantic Opera (this is by no means the complete list

of subjects he's taught) underline Professor Harris's versatility. Ever alert to broadening his scope, he has lectured on behalf of the Departments of Arts and Design, Drama, History, and Romance Languages, and he's anxious to develop a course on the history of opera in general and the music of Wagner in particular.

One of the external reviewers of Professor Harris's undergraduate teaching record comments: "His recent undergraduate offerings span a number of musical style periods from the middle ages through the modern period and such widely divergent genres as sacred monophony and chamber music. In a small department, it must be of great advantage, administratively speaking, to have on one's staff a music historian who can be so eclectic."

Professor Harris considers himself a humanist first and a musician second, an outlook that prompted one of his students to remark: "But far beyond Music History, he has inspired me to continually broaden my understanding of many subjects, to see how they relate to each other, and then to explain them for the benefit of others. A good bit of his success in teaching I attribute to his outstanding example as a person who loves to learn and sees learning as a lifelong, entirely enjoyable process."



Anne Lambert examines a Brazilian funerary mask.

This recipient of the 1991 Rutherford Award for Excellence in Undergraduate Teaching has integrated innovative courses, which she introduced and developed, into a comprehensive program and created the vast Clothing and Textiles Collection as a unique resource available for student research.

When she teaches, she tries "to create an environment, opportunities, a range of materials and resources to show people how to learn and get them excited about wanting to learn themselves," Professor Lambert explains. She uses a variety of resources in the classroom and interrelates not only courses but outside learning opportunities, including museums, historic sites and archives. She helps her students see that books and lectures are not the only sources of information and encourages them to use oral histories, diaries, their own experiences.

Her students work directly with artifacts and with archival material and Professor Lambert believes that original research using primary sources is empowering for them. "The whole process of learning how to draw information from and around an artifact is the most important process I can possibly teach students in my area."

She emphasizes the role of the real object in the learning process. She recalls her first time, as a student, seeing the scale, texture and colour of works of art she had only studied on slides in a classroom. "To see the real objects was incredibly moving. It made me realize objects had tremendous power."

20,000 artifacts including clothing, textiles and related objects from a variety of time periods and cultures.

Along with the Collection, Professor Lambert has developed courses on historic and cross cultural clothing and textiles and on conservation. "I saw that there was a tremendous lack of knowledge in that area and we had excellent people in textile science." With Professor Nancy Kerr, she introduced possibly the first university-level textile conservation course in North America. Subsequently, she introduced a course on preventive conservation. Both focus on the care and treatment of textiles in museums and related institutions.

Her teaching style has "grown organically" from experience, reflection and participation in special sessions, she says. "I'm a real course-junkie," she laughs. "I always want to learn and take courses myself ... I hate teaching exactly the same way."

Professor Lambert stays up to date through her research and active professional involvement locally, nationally and internationally, which, she adds, gives students a wide network of valuable connections. Currently, she is on leave, conducting research on the role of objects in learning. "Until we understand what objects mean to people, we can't understand how to use them most effectively in our teaching," she suggests.

Honoured with the Rutherford Award and the Faculty of Home Economics Teaching Award, Anne Lambert is gratified to see teaching acknowledged and valued. "We need to ensure that exciting process is part of the University."

Dean of Student Services suggests Senate task force

WANTS IT TO DETERMINE SCALE OF STUDENT FINANCING PROBLEMS

Dean of Student Services Peter Miller suggested at the University Senate meeting 26 April that the Senate look into establishing a task force on the state of student finances. Chancellor Sandy Mactaggart assured Senators that the executive committee would consider the suggestion.

Dean Miller said the situation is changing. The costs of completing a university degree are mounting radically and, at the same time, students are finding it increasingly difficult to secure funding.

The emergency loans and bursary centre is being inundated with requests, the Dean told Senators. And single parents, in particular, are experiencing great difficulties.

"At this institution, we don't have a good sense of the scale of the problem," he said, noting that the representations on the issues the Graduate Students' Association bring to the table will always be coloured.

The Senate, he suggested, is perceived to be an honest broker, and if it decided to establish a task force on the issue, it could possibly

examine the situation and make concrete recommendations in about one year.

Senator Bill Newbigging said the time for action is now. "There is a seething discontent about the whole matter," he said, adding that if a task force is struck, it should be done and done very quickly.

An issue that should be examined by any such task force, said Zaheer Lakhani, is the foreign student differential fee. Critical of the recent foreign student fee increases announced by the provincial government, Lakhani said it's an extremely "short-sighted policy."

Students' Union representative Sean Kennedy supported Lakhani's views. The Students' Union is opposed to the differential fee. He characterized the fee as a "knee-jerk reaction to underfunding" and, he said, the blame for the whole issue of underfunding should be shared by the federal and provincial governments.

Graduate Students' Association representative Joe Sheridan said graduate students are deeply disap-

pointed with tuition fee increases. He characterized the situation as "dire".

Kennedy said although Students' Union representatives weren't as pessimistic about the situation as GSA representatives were, students have nevertheless had a tough year. He suggested that the whole issue of student finance board allocations should be seriously examined as well.

SELECTION COMMITTEE FOR DIRECTOR, SCHOOL OF NATIVE STUDIES

The GFC Nominating Committee is seeking nominations for four faculty members to be elected by GFC, not members of the School concerned, to serve on the above Selection Committee.

Would those who have suggestions for nominations, or who are interested in serving on this Selection Committee, please forward a brief résumé and letter of nomination to: Garry Bodnar, Coordinator, GFC Nominating Committee, 2-5 University Hall, by 10 May.

Linda Fedigan: McCalla Professor

Next year, McCalla Professor Linda Fedigan (Anthropology) will write papers analysing long-term research data and embark on new challenges. She plans to complete a series of four interconnected papers that document aspects of the life histories of female primates, specifically Japanese macaques. (To date, she and co-researchers have written about some of their findings. These papers, she proposes, will solidify their understanding of the life course of these monkeys.) As well, she hopes to start research on the role of women in primatology.

Since 1972, Professor Fedigan has participated in the Arashiyama project, cooperative, international research, now in its 36th year, in Texas. She has been awarded NSERC and University grants to support her work.

Professor Fedigan and other scientists have gathered information throughout the lives of a cohort of female monkeys born between 1954 and 1967, all but four of which are now dead. "Because of the team effort in research, somebody has watched those 79 females every day of their lives ... in particular, the births and deaths of their infants have been recorded but many other things, for example, illness and status, are recorded." The computerized records are kept here at the University. "I've reached the point where a lot of data has piled up, the structure for papers is there and they're ready to go. That's why the

McCalla is so perfect. I can carry them through to completion," Professor Fedigan notes.

One paper will focus on differential longevity and consider "why some females live longer than others" and whether "females of high status produce infants more often and have greater survivorship of their infants."

Another, a theoretical review paper, will look at reproductive senescence in primates and consider whether there is an animal model for human menopause. Professor Fedigan says that in the cohort, almost all the females reproduced until they died. A literature search, conducted with colleague Mary Pavelka of the University of Calgary, revealed instances of individual monkeys and chimpanzees which ceased ovulating. But these animals were close to death, and the researchers considered these to be "idiosyncratic" occurrences. In contrast, Professor Fedigan notes, "in humans, menopause happens to all females" and occurs about mid-life. She believes, therefore, that monkeys, which have similar physiology to humans, may provide a medical model for human reproduction, but not a life history model. Humans have evolved to longer lifespans, Professor Fedigan explains, but the female reproductive system has not kept pace and females run out of eggs at about age 50 regardless of how long they live.

Two additional papers based on collected data deal with reproductive seasonality (macaques give birth in the fall) and the effects of a progesterone-based contraceptive, depo provera. Researchers have tested the drug on monkeys to determine adverse medical effects, but have not looked at sexual behaviour, Professor Fedigan explains. She plans to write about the effects of the drug on the Arashiyama macaques. A small sample of the female Japanese monkeys received injections of depo provera and it altered their relationships with the males. "It lowers their attractiveness to males," she says.

During the year of the McCalla Professorship, Professor Fedigan will also begin some new work, on perceptions about women in primatology. Many people ask why there are so many women in the field, reports Professor Fedigan. Are there more women, she wonders, or are people responding to popular depictions in the media? "It is possible that it's not quantitatively or statistically true," she suggests. She's also interested in what impact female scientists have on the field, but, she notes, "there are no data." So, next year, she and a philosopher of science will look at recruitment, academic background and publishing practices of women in her discipline, to begin to build solid research on the topic.

Chemistry scholarship honours influential teacher

RB SANDIN RENDERED STUDENTS SPELLBOUND

The Sandin Scholarship in Chemistry has been established in memory of RB Sandin, Professor Emeritus of Chemistry. Professor Sandin died after a brief illness on 28 February.

The undergraduate scholarship honours a strong researcher and a remarkable classroom teacher. Widely known as a spellbinder in the classroom, Dr Sandin always knew his students well and often remembered them years after they left his classes. His strong influence on students was still evident 20 years after he retired, when more than half the U of A alumni responding to a questionnaire identified him as the most influential professor they had known.

Dr Sandin earned his BA and MA degrees at the University of Alberta, and was granted his PhD by the University of Chicago in 1924. He began lecturing at the U of A in 1922, and was full professor from 1943 until he retired in 1965. He

was a Fellow of the Royal Society of Chemists, and during his career he was awarded the Manufacturing Chemists Award and the Chemical Institute of Canada's award for chemical education.

Outside the classroom, Professor Sandin was a markedly shy but strong individual. He expected his colleagues to work as hard as he did, and had little patience with University administrative matters.

Robert Crawford, Associate Dean (Science), earned his master's degree under Professor Sandin's direction; later he knew Dr Sandin as a teaching colleague and then as a faculty member during Dr Crawford's term as department chair. Dr Crawford says, "I knew him from all angles, and found him consistent at all times. He did his research awfully well, and did his teaching superbly."

Professor Sandin was well known and widely respected even though he never travelled to professional society meetings. People knew him through his publications

and through his influence on students who went on to graduate schools across North America.

Dr Crawford remembers Professor Sandin with great affection. "This is someone who is very special, a benevolent individual who is part of the history of this institution in a very distinct way. He was a giant with his classes."

Donations to the Sandin Scholarship fund are being accepted in the Chemistry Department office.



RB Sandin in 1965.

ACROSS CANADA

MEMORIAL ELIMINATES MORE POSITIONS

Memorial University has decided to cut another 67.5 positions in an effort to deal with the estimated \$8 million shortfall in the provincial government operating grant. An estimated 121 positions have been cut so far, although the number of employees who have lost their jobs is less than 121. Some of the positions that will go have been vacant.

DALHOUSIE DOES WELL IN NSERC COMPETITION

Researchers at Dalhousie University have been awarded increased funding this year from the Natural Sciences and Engineering Research Council (NSERC) 1991 grants competition. In 1990-91, NSERC grants to Dalhousie totalled \$4.5 million; for 1991-92, the figure is \$5,682,723. The chemistry department will receive more than \$1 million of that money.

WESTERN PROJECTS \$8 MILLION DEFICIT

The University of Western Ontario is projecting an \$8 million deficit for its 1991-92 operating budget. Western's Senate has approved and recommended to the Board of Governors revenues of \$238,351,000 and expenditures of \$246,362,000.

In other news from that university, 10 percent budget cuts over three years will mean more people will lose their jobs. This is the first time in Western's 113-year history that university-wide layoffs have become necessary. Administrators say they won't know until September how many people will have to lose their jobs.

BUDGET WOES AT TORONTO AS WELL

The University of Toronto Academic Board recently approved a 1991-92 operating budget of \$570.6 million. The budget leaves the university's accumulated deficit of \$20.1 million unchanged and includes reductions of some \$3.3 million. In the longer term, the university expects to reduce vice-presidential budgetary, base budget envelopes by 0.8 percent annually for five years.

MANITOBA SURPRISED BY FUNDING ANNOUNCEMENT

The Province of Manitoba's Universities Grants Commission recently announced its 1991-92 funding allocations and officials at the University of Manitoba are wondering why they received relatively less than their counterparts.

Manitoba received a 1.43 percent increase; the University of Winnipeg received a 3.17 percent increase, Brandon University received a 3.65 percent increase and College Universitaire de Saint-Boniface received a 5.26 percent increase.

President Arnold Naimark said he was concerned about the relatively adverse treatment the University of Manitoba received compared to the other institutions.

ACTIVITIES

Charles Mataya (Rural Economy) has been awarded a Rockefeller Foundation African Dissertation Internship. He will conduct his dissertation research at the Bunga College of Agriculture, University of Malawi. A sum of up to \$33,500 is available for use during the 13-month period beginning 1 April 1991...On 25 May, **Norbert Berkowitz**, Professor Emeritus of Fuel Science in the Department of Mining, Metallurgical and Petroleum Engineering, will receive an honorary Doctor of Engineering degree from the University of Waterloo...The recipients of The Queen Elizabeth II Doctoral Fellowships in Environmental Studies are **Catherine England**, a botanist from Sherwood Park, and **Melton Reasoner**, a climatologist from Calgary. Each will receive a \$20,000 scholarship and will continue their studies at the U of A...The Association of Professional Engineers, Geologists and Geophysicists of Alberta has appointed **Donald Bellow**, Associate Vice-President (Facilities), for a further two-year term to the Board of Directors of the Canadian Council of Professional Engineers in Ottawa.

EVENTS

TALKS

1991 BIRSS MEMORIAL LECTURES

William G Laidlaw, Department of Chemistry, University of Calgary, will present the following lectures under the general title, "Simulating Physical Systems: From Analytic Equations to cellular Automata." The lectures will cover the following subjects:

- 6 May, 11 am
"The 'Mercury Beating Heart': A Discussion of the Hydrodynamic Mode Selection. V-107 Physics Building.
- 7 May, 11 am
"Dynamics 'in' a Deforming Interface: Finite Difference Representation of Coupled Non-Linear Equations." V-107 Physics Building.
- 8 May, 11 am
"Flow in Porous Media." V-107 Physics Building.

ENVIRONMENTALLY RELATED SEMINARS AND EVENTS

If you wish to have an environmentally related event listed under this section, please contact: The Environmental Research and Studies Centre, 492-6659.

Soil Science
7 May, 12:30 pm
L Boersma, Department of Crop and Soil Science, Oregon State University, Corvallis, Oregon, "Soils and Agriculture in the USSR from Moscow to Khabarovsk as Seen From the Trans-Siberian Train." 2-36 Earth Sciences Building.

PHYSICS

7 May, 3:30 pm
Michael Gorman, University of Houston, "Periodic and Chaotic Dynamics of Premixed Flames." 631 Avadh Bhatia Physics Laboratory.

ALBERTA HERITAGE FOUNDATION FOR MEDICAL RESEARCH

7 May, 4 pm
Geraldine Weinmaster, post-doctoral fellow, The Salk Institute, "Proliferation and Gene Expression in Rat Schwann Cells." Presented by Anatomy and Cell Biology. 5-10 Medical Sciences Building.

9 May, 4 pm
Gerald M Kidder, professor, Department of Zoology, University of Western Ontario, "Genetic Control of Morphogenesis During Pre-Implantation Development." Presented by Anatomy and Cell Biology. 5-10 Medical Sciences Building.

10 May, noon
Gregory M Guild, Department of Biology, University of Pennsylvania, "Steroid Hormonal Control of Gene Cascades in Drosophila." Presented by Genetics. G-217 Biological Sciences Centre.

14 May, noon
Joseph R Siebert, Children's Hospital and Medical Center, Seattle, Washington, "Holoprosencephaly: Anatomic Features and Implications for Craniofacial Development." Sponsored by Oral Biology. 4069 Dentistry-Pharmacy Centre.

28 May, 4 pm
Thomas Phillips, assistant professor, Division of Biological Sciences, University of Missouri, "The Cell Biology of Mucin Synthesis and Secretion by Intestinal Goblet Cells." Presented by Anatomy and Cell Biology. 5-10 Medical Sciences Building.

CAMPUS OUTDOOR CENTRE

8 May, 7 pm
"Canoeing"—a variety of flat-water, whitewater, and tripping canoes will be discussed as well as their accompanying accessories. Presenter: Fresh Air Experience. P153 Van Vliet Centre.

15 May, 7 pm
"Tents, Backpacks, and Sleeping Bags"—an informative look at the essentials of outdoor adventuring. Presenter: Adventure Centre. P153 Van Vliet Centre.

MISNER/MARGETTS WOMEN'S RESEARCH CENTRE

8 May, 7:30 pm
Cathy Bray, "Women and Work and Play." 11043 90 Avenue.

CHEMISTRY

10 May, 11 am
Shun-Ichi Murahashi, Department of Chemistry, Osaka University, Japan, "Biomimetic Transition Metal Catalyzed Reactions in Organic Synthesis." E3-25 Chemistry Building.

ANATOMY AND CELL BIOLOGY

14 May, 4 pm
Kerry Siminoski, "Regulation of Nerve Growth Factor: A Compartmental Approach." 5-10 Medical Sciences Building.

PHARMACY AND PHARMACEUTICAL SCIENCES

16 May, 3 pm
James Halpert, College of Pharmacy, University of Arizona, "Substrate and Inhibitor Probes of Cytochrome P450IIB Function." Sponsored by the Alberta Heritage Foundation for Medical Research. 2099 Dentistry-Pharmacy Centre.

ARTS

EXHIBITIONS

MCMULLEN GALLERY

Until 2 June
"Thirty Years of Inuit Art from the Collections of the Inuit Art Enthusiasts." Gallery hours: Monday to Friday, 10 am to 4 pm; Saturday and Sunday, 1 to 4 pm. Information: 492-8428, 492-4211. Walter C Mackenzie Health Sciences Centre.

THEATRE

STUDIO THEATRE

Until 10 May
"Painting Churches" by Tina Howe. Tickets and information: 492-2495.

MUSIC

16 May, 8 pm
Master's Student Recital—Janet Tonin, soprano. Convocation Hall.

Trimester system coming?

A committee of the University of Alberta Senate recommends that studies investigating the possibility of increased access to the University be undertaken:

- a) to examine the advantages and disadvantages of a trimester system; and
- b) to consider the increased use of Intersession, including but not limited to the possible implementation of three, rather than two, academic terms.

The recommendation is contained in the draft report of a six-member committee whose task is to chart the progress of a 1986 Senate Task Force report on the needs for the delivery of university education.

The committee said its definition of a trimester system is one that provides three 13-week academic sessions per calendar year, a full course load in any two of which would comprise a full year's work for a student or teaching load for a faculty member.

"With first time applicants restricted to September entrance," the committee stated at last week's Senate meeting, "one of the concerns regarding implementation of a trimester system comes to the fore. Unless entry is allowed at the beginning of each term, overcrowding will not be alleviated."

Responses to a questionnaire circulated by the committee brought home the fact that there are numerous perceptions of a trimester system. "Faculties expressed additional concerns about such a system," the committee told Senate. "There appeared to be general resistance to change with administrative issues, significant staffing implications, and an impact on research programs cited as problems to be dealt with.

"In addition," the committee continued, "questions were raised as to the effect such a change might have on a student's ability to earn enough to meet financial obligations during a course of study."

The committee, chaired by Bernie Keeler, emphasized that the public wants university course programming delivered by alternative methods including technological means and distance learning modes, and available at off-campus locations.

"Also, there is a demand for more university courses offered in evening and Saturday time slots and a greater number of courses available through Spring and Summer Sessions. These public demands reflect a need for greater ease of access to a university education."

However, the committee pointed out that as budgets shrink, "many senior faculty administrators remain unconvinced that the development of alternative modes of delivering university education should be a priority."

The review committee recommends to President Davenport that a division responsible for distance education be created.

Other recommendations are:

- that the decision not to accept new admissions in January 1991 not be extended to future years;
- that consideration be given to redefining enrollment ceilings in terms of student course enrollments;
- that studies be undertaken to discover what, if any, cost differentiation there is in offering courses by nontraditional compared with traditional methods.

The Progress Review Committee continues to receive input on its draft report, copies of which may be obtained from the Senate Office. The committee will present its final document to Senate in September.

POSITIONS

The University of Alberta is committed to the principle of equity in employment. The University encourages applications from aboriginal persons, disabled persons, members of visible minorities and women.

SUPPORT STAFF

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 492-5201. Due to publication lead time and the fact that positions are filled on an ongoing basis, these vacancies cannot be guaranteed beyond 26 April 1991. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR.

Positions available as of 26 April 1991.

The limited number of vacancies is a result of the current Support Staff hiring freeze.

The salary rates for the following positions reflect adjustments in accordance with the terms for the implementation of the Pay Equity Program.

DEPARTMENTAL/EXECUTIVE SECRETARY (Grade 6) (Part-time/ Term to 23 August 1991), Drama, (\$1,171 - \$1,460) (prorated)

PROGRAMMABLE TYPE- WRITER OPERATOR (Grade 5), Sociology, (\$1,784 - \$2,210)

CLERK TYPIST (Grade 5), Faculty of Nursing, (\$1,784 - \$2,210)

ADMINISTRATIVE CLERK (Grade 6), Women's Studies and Canadian Studies, (\$1,952 - \$2,433)

DEPARTMENTAL/EXECUTIVE SECRETARY (Grade 6), Museums and Collections Services, (\$1,952 - \$2,433)

DEPARTMENTAL/EXECUTIVE SECRETARY (Grade 6), Medicine, (\$1,952 - \$2,433)

TECHNICIAN (TELECOMMUNICATIONS) (Grade 6), (One Year Term), University Computing Systems, (\$1,952 - \$2,433)

ADMINISTRATIVE ASSISTANT (COST COMPTROLLER) (Grade 8), Housing and Food Services, (\$2,296 - \$2,895)

SECURITY OFFICER (Grade 7) (40 hr/wk), Campus Security Services, (\$2,428 - \$3,044)

The following positions retain salary rates in accordance with the previous classification system and pay plan.

SECRETARY (Trust/Term to 30 June 1992), Alberta Centre for Well-Being, (\$1,677 - \$2,143)

LIBRARY ASSISTANT II (Trust/ Term to 30 May 1992), Alberta Centre for Well-Being, (\$1,738 - \$2,234)

ANIMAL ASSISTANT I (Trust/ Term to 30 August 1991), Surgery, (\$1,350 - \$1,677)

DENTAL ASSISTANT II (Trust), Dean of Dentistry, (\$1,617 - \$2,054)

TECHNICIAN I/TECHNOLOGIST I (Trust), Pediatrics, (\$1,738 - \$2,765)

BIOCHEMISTRY TECHNOLOGIST I (Trust), Pharmacology, (\$2,143 - \$2,765)

TECHNOLOGIST I/II (Trust/ Term to 30 June 1994), Pharmacology, (\$2,143 - \$3,018)

ADS

ACCOMMODATIONS AVAILABLE

SALE - 10930 87 Avenue. Revenue property. \$14,400/year income. Six bedrooms, two fridges, two kitchens, two bathrooms, two hot water heaters (33 gallons each, in parallel). \$135,000. To view, 433-8302.

SALE - Millcreek, spacious character home, four bedrooms, den, double lot, charismatic! Val/Ann, Spencer Realty, 435-0808.

SALE - Blue Quill Estates, gorgeous, gorgeous four/five bedroomed residence with three baths, triple garage, two years old. Ann/Val, Spencer Realty, 435-0808.

RENT - Southgate, executive five bedroom house, garage, finished basement, 15 May. 434-0524.

RENT/SHARE - in Montreal, two bedroom furnished apartment, private bath, air conditioned, laundry. Walking distance from downtown/ McGill campus, 1 May - 31 August. Rent negotiable. 454-6038 (Edmonton).

RENT - Belgravia, furnished three bedroom house, garage, walk to University. July 1991 - July 1992, \$900 per month plus utilities. 437-2317.

Continued on page 8

Next Folio 17 May

FOLIO WILL BE PUBLISHED BIWEEKLY FROM MAY THROUGH AUGUST.

WEEKLY PUBLICATION SCHEDULE RESUMES 6 SEPTEMBER.

SALE - Luxury University area living. Claridge House condo off campus. Two bedrooms, view of downtown, new carpet, air conditioning, indoor pool, underground heated parking. \$155,000 obo. Call 1-342-0050.

SALE - University area, two storey renovated 1,780' suite, double garage. Ron Haddad, Metro City Realty, 439-3300.

SALE - Malmo, beautifully maintained bungalow with bright main floor family room, fireplace, excellent location, \$144,900. Ed Lastiwka, Royal LePage, 437-7480, 437-4984.

SALE - University area, wonderfully restored historic residence, original character and woodwork. Fabulous kitchen, new bathrooms, windows, re-drywalled and insulated. *Journal* feature home, \$229,900. Ed Lastiwka, Royal LePage, 437-7480, 437-4984.

SALE - Belgravia, three bedroom bungalow, double garage, great location, south backyard, \$139,000. Ed Lastiwka, Royal LePage Realty, 437-7480, 437-4984.

SALE - Grandview, 2,600 square foot unique two storey. Excellent schools, University close, \$255,000. Petrolia, four bedroom, three garages, huge family room, 2,348 square feet, \$159,500. Liz Crockford, Spencer Realty, 435-0808.

RENT - Riverbend, wonderful, bright, sunny, four bedroom furnished house. August/September 1991-February 1992. \$1,750/month negotiable. 430-6196, 492-1494.

RENT TO OWN/SABBATICAL - Professionally decorated, hardwood floors, deck, garage, three bedrooms. Bonnie Doon area. Katherine, 465-4450.

VICTORIA PROPERTIES - Experienced, knowledgeable realtor with Edmonton references will answer all queries, and send information. No cost or obligation. Call (604) 595-3200, Lois Dutton, Re/Max, Ports West, Victoria, BC.

RENT - June to August. Three bedroom furnished duplex, five appliances, large yard, great neighbours, Old Strathcona. Ideal for family. \$650/month plus utilities, damage deposit. Contact John-Paul, 492-3543, 431-0388.

RENT - Saskatchewan Drive, furnished one bedroom apartment. Available 7 May - July, possibly longer. Dates/rent negotiable. Phone 439-7153, 1-979-2096.

RENT - Windsor Park, three storey, older home near University. Eleven rooms, fireplace, sauna, double garage, parking. Sabbatical July 1991 to July 1992. Telephone 433-6769 evenings.

RENT - Fort Saskatchewan, furnished one bedroom apartment, fully equipped, river view, \$795/month. Western Relocation. 434-4629.

RENT - Patricia Heights, bright, tasteful, upgraded split level home, fully furnished, \$1,600/month, lease 1 July. Western Relocation, 434-4629.

SALE - Lessard Village, sunny, spacious executive condo, neutral decor, jacuzzi. Owner anxious to sell. Bring offers. Janet Jenner, Jean Mill, Homelife/Success 434-3334.

RENT - Saskatchewan Drive, new high rise, spectacular river view. Elegant, luxurious, exquisitely furnished. Minutes to University, Kinsmen Sports Complex. One year lease, 1 July. Western Relocation, 434-4629.

RENT - Country club place, new, high style bungalow (condo), 1,835', three sided fireplace, vaulted ceilings, \$1,600/month lease. Western Relocation, 434-4629.

SALE - Malmo/University, \$129,000. Fantastic bungalow with double garage, excellent condition. Owner moving to Ontario, priced for quick sale! Viewing, call Carl Benito, Re/Max Realty, 439-7000, 450-2692 (residence).

SALE - Riverbend, close to river valley. 1,900' bungalow. Excellent bus service to University. Ann Dawrant, Spencer Realty, 435-0808.

SALE - Groat Estates, 1,410' vintage home with tremendous character, totally renovated, featured in *Western Living*. Ann Dawrant, Spencer Realty, 435-0808.

SALE - Millcreek Ravine, super location. Interior beautifully upgraded. Spectacular basement, developed. Very private backyard, large decks, new double garage. Jean MacKenzie, Spencer Realty, 435-0808, 439-2114.

RENT - Blue Quill area, fully furnished bungalow, nonsmoking, adults only. July and August. \$900/month plus utilities. 439-7311, Mrs Bell.

RENT - Belgravia, furnished sabbatical home, four bedrooms. 1 July - twelve months. 438-1626, 451-1719.

RENT - Garneau, two bedroom luxurious condo. 1 1/2 baths, well equipped kitchen, fully furnished, two underground parking stalls. \$700/month. References, damage deposit. 431-0067, 1-865-5310.

RENT - Bonnie Doon, carpeted, bright, one bedroom basement. Four appliances, \$305, 465-2632.

RENT - Furnished Greenfield two storey, four bedroom sabbatical home, single garage. Available mid-August 1991 - mid-August 1992. Near University, schools, amenities. Nonsmokers only, no pets. 436-0336.

SALE - Valley Panorama! "Athabasca", 12303 Jasper. Lovely home, south view, air-conditioning, swimming pool, two parking. Reduced to \$85,900, Helen Rhodes, 426-4461/24 hours. Re/Max Realty.

ACCOMMODATIONS WANTED

PROFESSIONAL businesswoman wishes to housesit, long or short term. References provided. Call Dianne, 487-3878.

EXECUTIVE COUPLE - seek three bedroom home for rent/lease. Furnished preferred, condo considered. Character neighbourhood, Windsor Park, Old Glenora or similar. Excellent references. Call Paul Cosulich, 451-2630, or leave message.

GOODS FOR SALE

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